



MULTI-POINT SEAT BELT

CROSS REFERENCE TO RELATED APPLICATIONS

This is a divisional application of the US-serial number 09/554,463 related to an international
5 application number PCT/DE98/03270 (WO 99/24294, European Patent EP 1 037 773 B1,
German Patent DE 197 49 780 C2) filed Nov. 10, 1998.

BACKGROUND OF THE INVENTION

1. Field of the Invention:

It is an object of the present invention to adapt a belt-feeding device to the seat-design and,
while preserving user-friendliness, to ensure the restraint of every passenger of a transport
system and to lower all acceleration-dependent forces imposed on them in order to enhance
the survival chance in the event of any accident (front-, side-, rear-end collision and/or
rollover or pile up/mass collision) or during in-flight turbulence.

2. Discussion of the Prior Art:

It is known in the prior art to provide for a passenger of a transport system

- a three-point seat belt (safety belt or lap-shoulder seat belt assembly), mounted in the
motor vehicle, consisting of a shoulder belt extending across his upper body and of a lap
belt extending across his lower body; or
- 20 – a two-point seat belt, mounted in the aeroplane, acting as a lap belt extending across his
lower body; or
- a suspender- (waist-) belt consisting of several pieces (belt-members).

In order to formulate in single terminology a generalized definition is presented for the
25 proper term:

Definition:

"Transport system"

"Stiff first transport-system
member"

Proper Term:

Motor vehicle or train or ship or aeroplane

Floor 6 of the transport system adjacent to a first seat-side
SR (Fig. 1) or seat-cushion frame at the first seat-side or
mid-tunnel (not drawn) of the motor vehicle adjacent to the